CLAIMS

1. An apparatus comprising:

means for calculating a first gain value representing the gain of one or more first channel samples of a first channel of a signal;

means for calculating a second gain value representing the gain of one or more second channel samples of a second channel of the signal; and

means for calculating a gain ratio of the first gain value to the second gain value as the quotient of the first gain value divided by the second gain value.

2. The apparatus of Claim 1, wherein the means for calculating the first gain value comprises at least one of an average gain of the one or more first channel samples and a summation of the one or more first channel samples.

3. The apparatus of Claim 1, wherein the means for calculating the second gain value comprises at least one of an average gain of the one or more second channel samples and a summation of the one or more second channel samples.

4. The apparatus of Claim 1, wherein the first channel is the Forward Shared Channel and the signal is a Code Division Multiple Access signal.

5. The apparatus of Claim 1, wherein the second channel is the Pilot Channel and the signal is a Code Division Multiple Access signal.

6. An apparatus comprising:

first accumulator means for calculating a first sum equal to the summing of one or more first samples, the first samples representing the received energy of a first channel within a frame of a signal;

second accumulator means for calculating a second sum equal to the summing of one or more second samples, the second samples representing the received energy of a second channel within the frame of the signal; and

a divider means coupled to the first accumulator means and the second accumulator means for calculating the quotient of the first sum divided by the second sum.

7. The apparatus of Claim 6, wherein the first channel is the Forward Shared Channel and the signal is a Code Division Multiple Access signal.

8. The apparatus of Claim 6, wherein the second channel is the Pilot Channel and the signal is a Code Division Multiple Access signal.

9. An apparatus comprising:

means for calculating a Forward Shared Channel (FSHCH) gain representing the gain of one or more received FSHCH samples;

means for calculating a Pilot Channel (PCH) gain representing the gain of one or more received PCH samples; and

means for estimating a gain ratio of the FSHCH to the PCH as the quotient of the FSHCH gain divided by the PCH gain.

10. A method comprising the steps of:

calculating a first gain value representing the gain of one or more first channel samples of a first channel of a signal;

calculating a second gain value representing the gain of one or more second channel samples of a second channel of the signal; and

calculating a gain ratio of the first gain value to the second gain value as the quotient of the first gain value divided by the second gain value.

11. The method of Claim 10, wherein the step of calculating the first gain value comprises at least one of calculating an average gain of the one or more first channel samples and calculating a summation of the one or more first channel samples.

12. The method of Claim 10, wherein the step of calculating the second gain value comprises at least one of calculating an average gain of the one or more second channel samples and calculating a summation of the one or more second channel samples.

13. The method of Claim 10, wherein the first channel is the Forward Shared Channel and the signal is a Code Division Multiple Access signal.

14. The method of Claim 10, wherein the second channel is the Pilot Channel and the signal is a Code Division Multiple Access signal.

15. A method comprising the steps of:

calculating a Forward Shared Channel (FSHCH) gain representing the gain of one or more received FSHCH samples;

calculating a Pilot Channel (PCH) gain representing the gain of one or more received PCH samples; and

calculating a gain ratio of the FSHCH to the PCH as the quotient of the FSHCH gain divided by the PCH gain.